

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-11 (Canceled).

Claim 12 (Currently Amended): A thermoplastic polyurethane comprising a segment A formed of a high molecular weight diol, a segment B formed of a low molecular weight diol, and a segment C formed of a polyisocyanate, said segments A, B and C are bonded together in a linear form by urethane bonds, said high molecular weight diol is at least one diol having a number average molecular weight of from ~~[[600]]~~ 1,000 to ~~[[4,000]]~~ 2,000 and selected from the group consisting of ~~polytetramethylene ether glycol, polybutylene adipate diol,~~ polycarbonate diols, polysiloxane diols, and mixtures thereof, wherein said high molecular weight diol, said low molecular weight diol and said polyisocyanate are used in proportions of 100 parts by weight, from 10 to 120 parts by weight and from 20 to 170 parts by weight, respectively, and said thermoplastic polyurethane has an impact resilience at 23°C of from 50 to 90% and has an impact resilience at 0°C of at least 0.6 times of its impact resilience at 23°C.

Claim 13 (Currently Amended): A thermoplastic polyurethane according to claim ~~[[1]]~~ 12, wherein ~~said high molecular weight diol is polytetramethylene ether glycol having a number average molecular weight of from 1,000 to 2,000, and~~ said high molecular weight diol, said low molecular weight diol and said polyisocyanate are used in proportions of 100 parts by weight, from 11 to 42 parts by weight and from 39 to 76 parts by weight, respectively.

Claim 14 (Currently Amended): A thermoplastic polyurethane according to claim ~~[[1]]~~ 12, wherein ~~said high molecular weight diol is polytetramethylene ether glycol having a number average molecular weight of from 800 to 1,200,~~ and said high molecular weight diol, said low molecular weight diol and said polyisocyanate are used in proportions of 100 parts by weight, from 20 to 30 parts by weight and from 50 to 60 parts by weight, respectively.

Claim 15 (Currently Amended): A thermoplastic polyurethane according to claim ~~[[1]]~~ 12, wherein said low molecular weight diol is selected from the group consisting of 1,4-bis(hydroxyethoxy)benzene, 1,3-propanediol and mixtures thereof.

Claim 16 (Currently Amended): A thermoplastic polyurethane according to claim ~~[[1]]~~ 12, wherein said polyisocyanate is 4,4'-diphenylmethane diisocyanate.

Claim 17 (Currently Amended): A golf ball comprising a thermoplastic polyurethane according to claim ~~[[1]]~~ 12.

Claim 18 (New): A golf ball comprising a core and a cover, wherein the cover comprises a thermoplastic polyurethane according to claim 12.